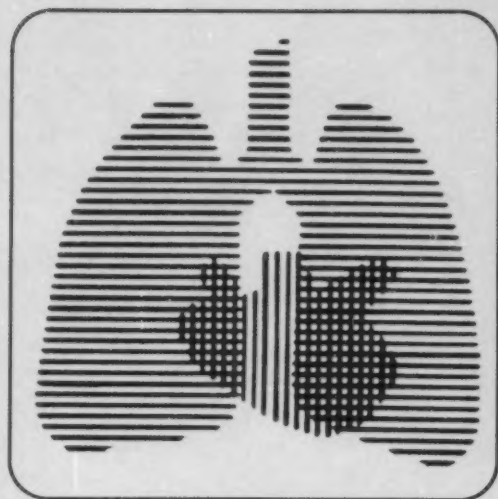


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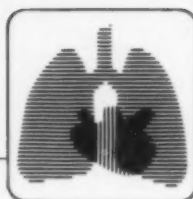


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Giovanni A. Fontana; Salvatore Cardellicchio; Gianna Camiciottoli; Pasquale Panuccio; Vieri Bocdi, Florence, Italy
- 1381 ACUTE EFFECTS OF NIFEDIPINE ON SYSTOLIC AND DIASTOLIC VENTRICULAR FUNCTION IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE  
Pierre Moles; Chi-Hoang Huynh; Philippe Dechamps; Nicole Neelie; Humphrey R. Ham, Brussels, Belgium
- 1385 CHANGING PATTERNS OF AEROSOL DEPOSITION DURING METHACHOLINE BRONCHOPROVOCATION  
Thomas G. O'Riordan; Lawrence A. Waiser; Gerald C. Smaldone, Stony Brook, New York
- 1390 REGIONAL IMPAIRMENT OF MUCOCILIARY CLEARANCE IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE  
Gerald C. Smaldone; W. Michael Foster; Thomas G. O'Riordan; Matthew S. Messina; Robert J. Perry; Edward G. Langenback, Stony Brook, New York
- 1397 SUPPORTED ARM EXERCISE VS UNSUPPORTED ARM EXERCISE IN THE REHABILITATION OF PATIENTS WITH SEVERE CHRONIC AIRFLOW OBSTRUCTION  
Fernando J. Martinez, Ann Arbor, Michigan; Paula Downes Vogel; Dawn Nelson Dupont; Ioannis Stanopoulos; Anthony W. Gray, Jr.; John F. Beamis, Jr.; Burlington, Massachusetts
- 1403 ULTRASONICALLY GUIDED ASPIRATION BIOPSY IN OSTEOCLONIC BONE LESIONS OF THE CHEST WALL  
Rémi Targhetta; Pierre Balmes; Christiane Marty-Double; Jean-Marc Mauboussin; Jean-Marie Bourgeois, Nîmes, France; Léandre Pourcelot, Tours, France
- 1409 A COMPARISON OF MANUAL TO MECHANICAL CHEST PERCUSSION FOR CLEARANCE OF ALVEOLAR MATERIAL IN PATIENTS WITH PULMONARY ALVEOLAR PROTEINOSIS (PHOSPHOLIPIDOSIS)  
Willy E. Hammon; D. Robert McCallfree; Andrew J. Cucchiara, Oklahoma City
- 1413 USE OF ULTRAHIGH FREQUENCY VENTILATION IN PATIENTS WITH ARDS: A PRELIMINARY REPORT  
Eric H. Gluck, Chicago; Stephen Q. Heard, Worcester, Massachusetts; Chandra Patel; Jerry Mohr; Jerry M. Collins, Phoenix
- 1421 TOPICAL TREATMENT OF PULMONARY ASPERGILLOMA BY ANTIFUNGALS: RELATIONSHIP BETWEEN DURATION OF THE DISEASE AND EFFICACY OF THERAPY  
Hiroshi Yamada; Kagoshima, Japan; Shigeru Kohno; Hironobu Koga; Shigehumi Maesaki; Mitsuo Kaku, Nagasaki, Japan
- 1426 BRONCHIAL CARCINOID TUMORS IN PEDIATRIC PATIENTS  
Linda T. Wang; Earle W. Wilkins, Jr.; Hans H. Bode, Boston

- 1429 SQUAMOUS METAPLASIA OF THE BRONCHIAL MUCOSA AND ITS RELATIONSHIP TO SMOKING  
Edward J. Peters; Rodolfo C. Morice; Steven E. Benner; Scott M. Lippman; John Lukeman; J. S. Lee; J. Y. Ro; Waiun Ki Hong, Houston
- 1433 INTRATHORACIC ADENOPATHY ASSOCIATED WITH PULMONARY TUBERCULOSIS IN PATIENTS WITH HUMAN IMMUNODEFICIENCY VIRUS INFECTION  
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- 1438 THE TIDAL VOLUME RESPONSE TO INCREMENTAL EXERCISE IN COPD  
Carlos A. Vaz Fragoso; Thedy Clark; Arthur Kotch, Danbury, Connecticut
- 1442 BRONCHODILATOR DELIVERY FROM GENTLEHALER, A NEW LOW-VELOCITY PRESSURIZED AEROSOL INHALER  
Stephen P. Newman, Nottingham, England; Stewart W. Clarke, London, England
- 1447 DIAGNOSIS OF RIGHT ATRIAL MASS LESIONS BY TRANSESOPHAGEAL AND TRANSTHORACIC ECHOCARDIOGRAPHY  
Anis I. Obeid; Ali Al Mudamgha; Harold Smulyan, Syracuse, New York
- 1452 NEEDLE ASPIRATION BIOPSY OF MALIGNANT LUNG MASSES WITH NECROTIC CENTERS: IMPROVED SENSITIVITY WITH ULTRASONIC GUIDANCE  
Jiamin Fong Pan; Pan-Chyr Yang; Dun-Bing Chang; Yung-Chie Lee; Sow-Hong Kuo; Kwen-Tay Luh, Taipei, Taiwan, Republic of China
- 1457 PROGNOSTIC SIGNIFICANCE OF POSTURALLY INDUCED CRACKLES: LONG-TERM FOLLOW-UP OF PATIENTS AFTER RECOVERY FROM ACUTE MYOCARDIAL INFARCTION  
Fumiko Deguchi; Senji Hirakawa; Kohshi Gotoh; Yasuo Yagi; Sadao Ohshima, Gifu, Japan
- 1463 SURVEYS OF LONG-TERM VENTILATORY SUPPORT IN MINNESOTA: 1986 AND 1992  
Alexander B. Adams; Judy Whitman; Theodore W. Marcy, St. Paul, Minnesota
- 1470 EFFECTS OF OBESITY ON RESPIRATORY RESISTANCE  
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- 1477 BRONCHIAL HYPERREACTIVITY IN PATIENTS WITH MODERATE PULMONARY CIRCULATION OVERLOAD  
Tilo Brunne; Kristof Graf; Birgit Kastens; Eckart Fleck; Gert Kunkel, Berlin, Germany
- 1482 THE BRONCHITIS INDEX: A SEMIQUANTITATIVE VISUAL SCALE FOR THE ASSESSMENT OF AIRWAYS INFLAMMATION  
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- 1489 "PSEUDO AUTO-PEEP": A NEW CAUSE FOR DISCREPANCY BETWEEN THE END-EXPIRATORY OCCLUSION PLATEAU PRESSURE AND AIRWAY OPENING PRESSURE  
Ziya Bilal; Ian L. Cohen, Albany, New York
- 1495 CHEST TUMOR RESPONSE DURING LUNG CANCER CHEMOTHERAPY: COMPUTED TOMOGRAPHY VS FIBEROPTIC BRONCHOSCOPY  
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- 1502 AEROBIC AND ANAEROBIC MICROBIOLOGY OF EMPHYSEMA: A RETROSPECTIVE REVIEW IN TWO MILITARY HOSPITALS  
Itzhak Brook; Edith H. Frazier, Bethesda, Maryland
- 1508 EARLY AND RAPID DIAGNOSIS OF POSTOPERATIVE MYOCARDIAL INFARCTION IN AORTOCORONARY BYPASS SURGERY BY IMMUNOTURBIDIMETRIC MYOGLOBIN MEASUREMENTS  
Peter Mair; Johannes Mair; Ingo Seibt; Doris Balogh; Bernd Puschedorf, Innsbruck, Austria
- 1512 CLOSURE OF THE PATENT DUCTUS ARTERIOSUS WITH A LIGACLIP THROUGH A MINITHORACOTOMY  
Alfieri A. Majid, Kuala Lumpur, Malaysia
- 1515 A CLINICAL STUDY OF INTRAVENOUS CIBENZOLINE IN SELECTED PATIENTS WITH RECENT-ONSET SUPRAVENTRICULAR TACHYCARDIA  
Pierre Andrieux; Valérie Mach; Canh Yu Gnoc, Bnls Sous Forges, France
- 1520 DIFFERENTIAL LOBE LAVAGE FOR DIAGNOSIS OF ACUTE PNEUMOCYSTIS CARINII PNEUMONIA IN PATIENTS RECEIVING PROPHYLACTIC AEROSOLIZED PENTAMIDINE THERAPY  
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- 1524 MEASURING SELF-EFFICACY EXPECTATIONS FOR THE SELF-MANAGEMENT OF CYSTIC FIBROSIS

- L. Kay Bartholomew; Guy S. Parrot; Paul R. Swank; Danila I. Czerwinski, Houston
- 1531 ANGIOSCAROMA IN THE LUNG  
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- 1536 TIME COURSE OF HEMOSTATIC ABNORMALITIES IN SEPSIS AND ITS RELATION TO OUTCOME  
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- 1543 EFFECT OF AIR-SUPPORTED, CONTINUOUS, POSTURAL OSCILLATION ON THE RISK OF EARLY ICU PNEUMONIA IN NONTRAUMATIC CRITICAL ILLNESS  
Bennett P. deBoisblanc; Marie Castro; Brenda Everett; Julie Greider; Carl D. Walker; Warren R. Sumner, New Orleans
- 1548 CRITICAL ILLNESS IN PREGNANCY: AN ANALYSIS OF 20 PATIENTS ADMITTED TO A MEDICAL INTENSIVE CARE UNIT  
Nancy Abbey Collop; Steven A. Sahn, Charleston, South Carolina
- 1553 STRATEGY FOR DIAGNOSIS OF PATIENTS WITH SUSPECTED ACUTE PULMONARY EMBOLISM  
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- 1560 OBSTACLES TO DISCHARGE OF VENTILATOR-ASSISTED CHILDREN FROM THE HOSPITAL TO HOME  
Pamela K. DeWitt; Mary T. Jansen; Sally L. Davidson Ward; Thomas G. Keens, Los Angeles
- 1566 MANAGEMENT OF LUNG TRANSPLANT REJECTION  
E. P. Trulock, St Louis
- 1577 ANTERIOR MEDIASTINAL MASS  
Andrea J. Cohen; Dean Chamberlain; Martin F. McKenney; Gordon L. Weisbrod, Toronto, Canada
- 1579 WEIGHT LOSS, HEMOPTYSIS, DIFFUSE ALVEOLAR INFILTRATES AND HEMORRHAGIC CEREBRAL LESIONS IN A 57-YEAR-OLD MAN  
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- 1582 PATHOPHYSIOLOGY OF OVINE SMOKE INHALATION INJURY TREATED WITH EXTRACORPOREAL MEMBRANE OXYGENATION  
Joseph B. Zwischenberger; Charles S. Cox, Jr.; Paul K. Minifie; Daniel L. Traber; Lillian D. Traber; John T. Flynn (Philadelphia); Hugo A. Linares; David N. Herndon, Galveston, Texas
- 1587 BETA-ADRENERGIC AGONISTS—A PROBLEM  
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- 1591 BETA-ADRENERGIC AGONIST TOXICITY: LESS OF A PROBLEM, MORE OF A PERCEPTION  
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- 1597 RESPONSE  
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- 1599 BALL VALVE THROMBUS OBSTRUCTING A BIOPROSTHETIC MITRAL VALVE  
Mohsin Alam; Syed M. Jafri, Detroit
- 1600 SPONTANEOUS ECHO CONTRAST IN MASSIVE PERICARDIAL EFFUSION WITH TAMPONADE  
Kou-Gi Shyu; Jun-Jack Chen; Peiliang Kuan; Wen-Pin Lien, Taipei, Taiwan, Republic of China
- 1602 RIGHT-SIDED PNEUMOTHORAX AS A RESULT OF A LEFT-SIDED CHEST TUBE  
Perry S. Gerard; Emad G. Kaidari; Vlasos Lili; R. Aswini Lertora; Sidney Tassler, Brooklyn, New York
- 1603 TRAUMATIC AORTIC VALVE INJURY SUSTAINED DESPITE THE DEPLOYMENT OF AN AUTOMOBILE AIR BAG  
Julianne Reiland-Smith, Vermillion, South Dakota; Ronald M. Weintraub; Frank W. Sellke, Boston
- 1604 TENSION PYOPNEUMOTHORAX: RARE PRESENTATION OF RUPTURED BARRETT'S ESOPHAGUS  
Maria A. Matsumoto; S. David Rockoff; Benjamin L. Aaron, Washington, DC
- 1606 PNEUMOMEDIASTINUM CAUSED BY SUBCUTANEOUS EMPHYSEMA IN THE SHOULDER; A RARE COMPLICATION OF ARTHROSCOPY  
Kam-Yung Lau, Riverside, California
- 1607 MYOCARDITIS AS A CAUSE OF PRIMARY RIGHT VENTRICULAR FAILURE  
Edward O. McFalls; Robert Jan Van Suylen, Rotterdam, the Netherlands
- 1609 RELATIONSHIP OF NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE TO PERIODIC LIMB MOVEMENT DISORDER IN A PATIENT WITHOUT SLEEP APNEA  
W. Vaughn McCall; Edward F. Haponik, Winston Salem, North Carolina
- 1611 DISAPPEARING INTRACARDIAC THROMBI IN BOTH ATRIA AFTER MUMPS IN A PATIENT WITH TURNER SYNDROME  
Ali Rahmi Bakiler; Sükrü Cangar; Sadik Akat; Adnan Ünver; İsmail Yaprak; Suat Caglayan, Izmir, Turkey
- 1612 AGENESIS OF THE RIGHT UPPER LOBE  
Francis P. V. Maessen; Wief H. Gereschts; Reginald Goei, Heerlen, the Netherlands
- 1614 USEFULNESS OF INHALED HIGH-DOSE CORTICOSTEROIDS IN ALLERGIC BRONCHOPULMONARY ASPERGILLOSIS  
Bruno Imbault; Yvon Cormier, Ste. Foy, Canada
- 1617 TRANSESOPHAGEAL ECHOCARDIOGRAPHIC DIAGNOSIS OF ANOMALOUS LEFT CORONARY ARTERY FROM THE RIGHT AORTIC SINUS  
Mohsin Alam; James Bryner; Stephen T. Smith, Detroit
- 1618 UNUSUAL COMPLICATION OF RETROGRADE CORONARY SINUS PERFUSION WITH PULMONARY ARTERY CATHETER  
Devanand Mangar; Wilfredo Gonzalez, Jr.; Jack Bray; Dixie Kalshoven, Tampa, Florida
- 1619 PLEURAL EFFUSION MASQUERADING AS MYOCARDIAL INFARCTION  
Constantine A. Manthous; Gregory A. Schmidt; Jesse B. Hall, Chicago
- 1621 BRONCHIOLITIS OBLITERANS ORGANIZING PNEUMONIA: AN UNUSUAL CAUSE OF SOLITARY PULMONARY NODULE  
Juan Antonio Domingo; Juan-Ignacio Perez-Calvo; José-Angel Carretero; Juan Ferrando; Alfonso Cay; Fernando Civera; Zaragoza, Spain
- 1623 WEGENER'S GRANULOMATOSIS PRESENTING AS RIGHT MIDDLE LOBE OBSTRUCTION  
Stephanie J. Lee; Gerald J. Berry; Ahmed W. Husari, Stanford, California
- 1625 MEASLES PNEUMONIA: TREATMENT OF A NEAR-FATAL CASE WITH CORTICOSTEROID AND VITAMIN A  
Mark E. Rupp; Mitchell L. Schwartz; Daniel E. Bechard, Richmond, Virginia
- 1627 MYCETOMA WITHIN AN INTRALOBAR SEQUESTRATION: EVIDENCE SUPPORTING AN ACQUIRED ORIGIN FOR THIS PULMONARY ANOMALY  
Maninderpjit S. Uppal; Leslie J. Kohmar; Anna-Luise Kazenstein, Syracuse, New York
- 1628 ADULT RESPIRATORY DISTRESS SYNDROME AS A COMPLICATION OF POSTANGINAL SEPSIS  
Ellen F. Cosgrove; Stephen M. Colodny; Richard R. Pease, Pittsburgh
- 1629 FLOW VELOCITY PARADOXUS AND PULSUS PARADOXUS IN OBSTRUCTIVE SLEEP APNEA SYNDROME  
Toshiaki Shiomi, Aichi, Japan; Christian Guillaminault, Palo Alto, California; Masato Maekawa, Aichi, Japan; Akira Nakamura; Kazumi Yamada, Nagoya, Japan
- 1631 PULMONARY ARTERY SARCOMA MIMICKING PULMONARY EMBOLISM  
Stephen G. Delany; Terence C. A. Doyle; Richard W. Burton; Noelyn A. Hung; Lesley U. Joblin; D. Robin Taylor, Dunedin, New Zealand
- 1634 SERUM-EFFUSION ALBUMIN GRADIENT  
İbrahim Akkur; A. Sinan Copur; A. Belgin Samurkasoglu; Zehra Seyfili; Perihan Ugur, Ankara, Turkey  
Response—Bernard J. Roth, Fort Lewis, Washington; W. Hal Cragun, Tacoma, Washington
- 1635 CHURG-STRAUSS ANGIITIS  
Giuseppe Riccio; M. Elena Loidi, Magenta, Italy; Paolo Bottero; Carlo Novi, Magenta, Italy  
Response—Loïc Guillemin, Bobigny, France
- 1636 ANTITHROMBOTIC THERAPY FOR VENOUS THROMBOEMBOLIC DISEASE  
Thomas M. Hyers, St Louis
- 1638 RISK OF ASPIRATION PNEUMONIA IN THE ELDERLY  
Hirotaki Nakazawa; Kiyohisa Sekizawa; Yuko Ujii; Hidetada Sasaki; Tamotsu Takishima, Sendai, Japan
- 1637 COMMUNITY-ACQUIRED PNEUMONIA IN THE FAR EAST  
Kok P. Hui; Wen Cheng Tan; Tiong Beng Chan; Nyet Kooi Chan, Singapore, Singapore  
Response—Christopher H. S. Chan, Shatin NT, Hong Kong; Joseph Pang, Kowloon, Hong Kong
- 1638 FATAL DIFFUSE ALVEOLAR INJURY FOLLOWING USE OF INTRAPLEURAL BLEOMYCIN  
Paul B. Audu; Ronald F. Sing; Stephen A. Mette; Manucher Fallahnejad, Philadelphia
- 1638 THROMBOLYTIC THERAPY FOR PULMONARY EMBOLISM  
James A. Klein, Columbus, Ohio
- 1639 SELECTIVE BRONCHIAL INTUBATION FOR THE TREATMENT OF BRONCHOPLEURAL FISTULA IN A PRETERM NEWBORN  
K. De Boeck; H. Devlieger; C. Van Hols; M. Martens; F. De Zogher, Leuven, Belgium
- 1639 MICROBIAL ETIOLOGY OF ACUTE PNEUMONIA IN HOSPITALIZED PATIENTS  
David J. Barnes, Newtown, Australia  
Response—Joseph H. Bates; Almen L. Barron, Little Rock, Arkansas; Gail A. McCracken, Sherwood, Arkansas; Paul N. Morgan; Estelle B. Moses; Claudia M. Davis, Little Rock, Arkansas; G. Douglas Campbell, Shreveport, Louisiana
- 1640 CARDIAC SURGERY  
James W. Crawford, Evanston, Illinois
- 1640 ERRATA
- 1641 BCG VACCINATION: CAN IT CONTRIBUTE TO TUBERCULOSIS CONTROL?  
Dieter Koch Wesser, Newton, Massachusetts
- 1642 PROGRESS IN THE CONTROL OF HYPERTENSION  
Sheldon G. Sheps, Rochester, Minnesota
- 1644 THE LUNG HEALTH STUDY: BASELINE CHARACTERISTICS OF RANDOMIZED PARTICIPANTS  
A. Sonia Buist, Portland, Oregon; John E. Connett, Minneapolis
- 1644 DON'T DROWN THE "DOWN" LUNG  
Mal Mathru; Bradford M. Blakeman, Maywood, Illinois
- 1646 POSTPNEUMONECTOMY PULMONARY EDEMA: A RETROSPECTIVE ANALYSIS OF ASSOCIATED VARIABLES  
W. Sherman Turnage, Tampa, Florida; Jeffrey J. Lunn, Scottsdale, Arizona
- 1651 EXTRACORPOREAL LIFE SUPPORT FOR STATUS ASTHMATICUS  
Michael B. Shapiro; Andrew C. Kieveland, (Muskegon, Michigan); Robert H. Bartlett, Ann Arbor, Michigan
- 1655 A RETROSPECTIVE, COMPARATIVE STUDY OF IN-HOSPITAL MANAGEMENT OF ACUTE SEVERE ASTHMA: 1984 VS. 1989  
Eugene Kuo; Steven Kesten, Toronto, Canada
- 1662 DIFFICULT-TO-CONTROL ASTHMA: CONTRIBUTING FACTORS AND OUTCOME OF A SYSTEMATIC MANAGEMENT PROTOCOL  
Richard S. Irwin; Frederick J. Curley; Cynthia L. French, Worcester, Massachusetts
- 1670 RESULTS OF SCREENING FOR TUBERCULOSIS IN FOREIGN-BORN PERSONS APPLYING FOR ADJUSTMENT OF IMMIGRATION STATUS  
Raymond Blum; Louis B. Polish; Janet M. Tapy; Barbara J. Catlin; David L. Cohn, Denver
- 1675 SELF-REPORTED VS MEASURED COMPLIANCE WITH NASAL CPAP FOR OBSTRUCTIVE SLEEP APNEA  
Heimuth Rauscher; Dieter Formanek; Wolfgang Rogg; Hartmut Zwick, Vienna, Austria
- 1681 PROGNOSTIC SIGNIFICANCE OF THE INITIAL ELECTROCARDIOGRAPHIC PATTERN IN PATIENTS WITH A FIRST ACUTE ANTERIOR WALL MYOCARDIAL INFARCTION  
Yochai Birnbaum; Samuel Sclarovsky; Arnon Blum; Aviy Mager; Uri Gabbay; Petah Tikva, Israel
- 1688 PULMONARY EDEMA AFTER ANTEROSEPTAL ACUTE MYOCARDIAL INFARCTION  
Hiroyuki Taniguchi; Toshiaki Iwasaka; Tetsuro Sugitani; Yasuo Takayama; Mitsuo Inada, Osaka, Japan
- 1692 BLOOD GAS DYNAMICS AT THE ONSET OF EXERCISE IN HEART TRANSPLANT RECIPIENTS  
Randy W. Brath; Marian C. Limacher; Edward D. Staples; Michael L. Pollock, Gainesville, Florida
- 1698 SYMPTOMS, LUNG FUNCTION AND AIRWAY RESPONSE IN SEVERE FOLLOWING IRRITANT INHALATION  
Paul D. Blanc; Mark Galbo; Patricia Hiatt; Kent R. Olson; John R. Balmes, San Francisco
- 1706 CLINICAL FEATURES OF PSEUDOMONAS CEPACIA PNEUMONIA IN AN EPIDEMIC AMONG IMMUNOCOMPROMISED PATIENTS  
Yoshihumi Yamagishi; Jiro Fujita; Keiichi Takigawa; Kiyoshi Megawara, Kagawa, Japan; Teruko Nakazawa; Yamaguchi, Japan; Jiro Takahara, Kagawa, Japan
- 1710 HEART TRANSPLANTATION AFTER CARDIOVERTER-DEFIBRILLATOR IMPLANTATION: A CASE CONTROL STUDY  
Richard J. Novick; Alan H. Menkis; Gerard M. Guiraudon; David Sandler; Peter W. Pflugfelder; William J. Kostuk; Raymond Yee; George J. Klein; Anne-Marie Powell; F. Neil McKenzie, London, Canada
- 1715 PROGRESSION OF AORTIC STENOSIS: ROLE OF AGE AND CONCOMITANT CORONARY ARTERY DISEASE  
Martin Peter; Andreas Hoffmann; Clifford Parker; Thomas Lüscher; Dieter Burkhardt, Basel, Switzerland
- 1720 DIFFERENTIAL DIAGNOSTIC VALUE OF PLASMA CELLS IN BRONCHOALVEOLAR LAVAGE FLUID  
Marjoen Drent; Heleen van Velzen-Stad; Michaela Diamant; Sjoerd St. Wagenaar; Mone Donckerwolcke-Bogen; Jules M. M. Van Den Bosch, Nieuwegein, the Netherlands
- 1725 DOSE DEPENDENCY OF AMINOPIRYLLINE EFFECTS ON HEMODYNAMIC AND VENTRICULAR FUNCTION IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE  
Pierre Mols; Chi Hoang Huynh; Philippe Dechamps, Brussels, Belgium; Nicole Naeije, Aalst, Belgium; Humphrey R. Ham, Brussels, Belgium
- 1732 PHENOTYPES AND LYMPHOKINE-ACTIVATED KILLER ACTIVITY OF PLEURAL CAVITY LYMPHOCYTES OF LUNG CANCER PATIENTS WITHOUT MALIGNANT EFFUSION  
Keiji Takahashi; Saburo Sone; Suguru Kimura; Takeshi Ogura; Yasumasa Monden, Tokushima, Japan



- 1739 TERMINAL PULMONARY INFECTIONS IN PATIENTS WITH LUNG CANCER  
Nobuhiko Nagata; Yoshihiro Nakaide; Masamitsu Kido; Kikuyasu, Japan; Tsuruo Ishibashi, Fukuoka, Japan; Katsuo Suetshi, Kikuyasu, Japan
- 1743 BRONCHOSCOPIC DIAGNOSIS OF PULMONARY INFECTIONS IN A HETEROGENEOUS, NON-SELECTED GROUP OF PATIENTS  
Karl Eklund; Leif Eriksson; Jan Rolf; Håkan Mödner; Håkan Gröth; Bengt Löfdgren, Lund, Sweden
- 1749 EFFECT OF INFARCT SITE ON DIASTOLIC TIME DURING EXERCISE  
Tetsuo Sugiyama; Yoshiji Iwasaka; Kazuya Takehana; Fumio Yuasa; Tsutomu Sumimoto; Mitsuo Inada, Osaka, Japan
- 1755 THE EFFECT OF PYRIDOSTIGMINE ON BRONCHIAL HYPERREACTIVITY  
James M. Roach; Ann H. Eliasson; Yancy Y. Phillips, Washington DC
- 1759 ROUND ATELECTASIS AND METSOVO LUNG  
Spiros A. Papiris; Maria A. Maniatis; Kallio Sakellariou; Constantinos Goulios; Demetrios Kontogiannis; Stavros H. Constantinou; Ioannis, Greece
- 1763 AUGMENTED RESTING SYMPHETIC ACTIVITY IN AWAKE PATIENTS WITH OBSTRUCTIVE SLEEP APNEA  
Jan T. Carlson; Jan Hedner; Mikael Elam; Håkan Eklund; Johan Selgren; B. Gunner Wallin, Göteborg, Sweden
- 1769 COMPARISON OF SNORING MEASURED AT HOME AND DURING POLYSOMNOGRAPHIC STUDIES  
Frédéric Séries; Isabelle Marc; Lynn Atton, Quebec, Canada
- 1774 EFFECTS OF INHALED ANTICHOLINERGIC DRUG ON DYSPNOEA AND GAS EXCHANGE DURING EXERCISE IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE  
Shinji Teramoto; Yoshinobu Fukuchi; Hajime Orino, Tokyo, Japan
- 1783 LOCAL AIRWAYS IMMUNE MODIFICATIONS INDUCED BY ORAL BACTERIAL EXTRACTS IN CHRONIC BRONCHITIS  
Miro Lusaardi; Armando Capelli; Sonia Carli; Elisa L. Spada; Alberto Spinazzi; Claudio F. Donner, Vicenza, Italy
- 1792 LOCALIZED INFLAMMATORY PULMONARY DISEASE IN SUBJECTS OCCUPATIONALLY EXPOSED TO ASBESTOS  
Samuel P. Hammer; Keith Q. Hallman, Bremerton, Washington
- 1800 POSTOPERATIVE COMPLICATIONS IN PATIENTS WITH HUMAN IMMUNODEFICIENCY VIRUS DISEASE: CLINICAL DATA AND A LITERATURE REVIEW  
Jane Ayers; Marcia J. Howton; A. Joseph Layon, Gainesville, Florida
- 1808 ACUTE EXACERBATION IN IDIOPATHIC PULMONARY FIBROSIS: ANALYSIS OF CLINICAL AND PATHOLOGIC FINDINGS IN THREE CASES  
Yoshihiro Konishi; Hiroyuki Taniguchi; Sato, Japan; Yoshinori Kawabata, Tokyo, Japan; Toyoharu Yokoi; Kiyoshi Suzuki; Kenzo Takagi, Nagoya, Japan
- 1813 PROSPECTIVE ASSESSMENT OF A STANDARDIZED PATHOLOGIC GRADING SYSTEM FOR ACUTE REJECTION IN LUNG TRANSPLANTATION  
Alberto De Hoyos; Dean Chamberlain; Ricardo Scherzer; Juan Ramirez; Steven Keenan; Timothy L. Winton; Janet R. Maurer, Toronto, Canada
- 1819 RESTING ENERGY EXPENDITURE: EVOLUTION DURING ANTIBIOTIC TREATMENT FOR PULMONARY EXACERBATION IN CYSTIC FIBROSIS  
Hillel Naon; Shirley Hack; Michael T. Shelton; Richard C. Goffhoffer; David Gozal, Los Angeles
- 1826 NOREPINEPHRINE OR DOPAMINE FOR THE TREATMENT OF HYPERTENSIVE SEPTIC SHOCK?  
Claude D. Martin; Laurent Papazian; Gilles Perrin; Pierre Sauz; Francois Gouni, Marseille, France
- 1832 ACUTE LUNG INJURY AT BARAGWANATH ICU: AN EIGHT-MONTH AUDIT AND A CALL FOR CONSENSUS FOR OTHER ORGAN FAILURE IN ADULT RESPIRATORY DISTRESS SYNDROME  
Peter A. Kraus; Jeffrey Lipman; Caroline C. J. Lee; William E. Wilson; Juanett Scribner; Joseph Barr; I. Rudo Mathivha; Jacqueline M. Brown, Johannesburg, South Africa
- 1837 THE COURSE OF NOSOCOMIAL OROPHARYNGEAL COLONIZATION IN PATIENTS RECOVERING FROM ACUTE RESPIRATORY FAILURE  
Loren H. Ketai; Gene Rynga, Albuquerque
- 1842 THE MEASUREMENT OF THORACIC ABDOMINAL ASYNCHRONY IN INFANTS WITH SEVERE LARYNGOTRACHEOBRONCHITIS  
G. Michael Davis; David M. Cooper; Ian Mitchell, Calgary, Canada
- 1849 LEFT UPPER EXTREMITY EDEMA, RASH, AND VENOUS VARICOSITIES IN A 52-YEAR-OLD MAN  
Antonio R. Anzueto; Jorge Muñoz; M. Elizabeth Glenn; David Wile; Charles A. Duncan; Stephen G. Jenkinson; San Antonio, Texas
- 1851 BACK PAIN AND FEVER IN AN ELDERLY PATIENT  
Mark J. Ivey; Barry H. Gross, Detroit
- 1854 ASBESTOS-RELATED PLEURAL PLAQUES AND LUNG CANCER  
William Hesse, Philadelphia
- 1860 HANDEDNESS AND SLEEP APNEA  
Victor Hoffstein; Charles K. Chan; Arthur S. Slutsky, Toronto, Canada
- 1863 CHRONIC OBSTRUCTIVE PULMONARY DISEASE EARLY INTERVENTION TRIAL (LUNG HEALTH STUDY): BASELINE CHARACTERISTICS OF RANDOMIZED PARTICIPANTS  
A. Sonia Buist, Portland, Oregon; John E. Connett, Minneapolis; R. Drew Miller, Rochester, Minnesota; Richard E. Kanner, Salt Lake City, Utah; Gregory R. Owens, Oakmont, Pennsylvania; Helen T. Voelker, Portland, Oregon
- 1873 LOWER RISK AND HIGHER YIELD FOR THORACENTESIS WHEN PERFORMED BY EXPERIENCED OPERATORS  
Thaddeus C. Barter; Philip D. Mayo; Melvin R. Pratter; Rocco J. Santolillo; William M. Leeds; Stephen M. Akers, Camden, New Jersey
- 1877 SEVERE PULMONARY HYPERTENSION ASSOCIATED WITH DIASTOLIC LEFT VENTRICULAR DYSFUNCTION  
Howard J. Wilkins; Kenneth M. Kassler, Miami
- 1884 VENTRICULAR SEPTAL RUPTURE AFTER MYOCARDIAL INFARCTION: DETECTION BY TRANSESOPHAGEAL ECHOCARDIOGRAPHY  
David Harpaz; Pratima Shah; Gian Paolo Bezante; Richard S. Meltzer, Rochester, New York
- 1886 PULMONARY ACTINOMYCOSIS: A CAUSE OF ENDOBRONCHIAL DISEASE IN PATIENT WITH AIDS  
Ignacio E. Candian; Ari Klapholz; Wilfredo Talavera, New York
- 1887 UPPER EXTREMITY DEEP VENOUS THROMBOSIS: UNDERDIAGNOSED AND POTENTIALLY LETHAL  
Michael D. Black; Gord J. French; Pasteur Rasuli; Adrien C. Bouchard, Ottawa, Canada
- 1890 DIAGNOSIS OF PNEUMOCYSTIS CARINII INFECTION IN HIV SEROPOSITIVE PATIENTS BY IDENTIFICATION OF PNEUMOCYSTIS CARINII IN PLEURAL FLUID  
Thomas H. Schaumburg; Lynn M. Schnapp; Kenneth G. Taylor; Jeffrey A. Golden, San Francisco
- 1892 REPEATED INHALATION OF NEBULIZED ALBUTEROL DID NOT INDUCE ARRHYTHMIAS IN A PATIENT WITH WOLFF-PARKINSON-WHITE SYNDROME AND ASTHMA  
Arturo J. Bonnin; G. Wendell Richmond; Patricia K. Musto; Annabelle S. Volgman; James N. Moy, Chicago
- 1894 CPAP-MASK MANAGEMENT OF VARICELLA-INDUCED RESPIRATORY FAILURE  
Nicholas Sadovnikoff; Joseph Viron, Houston
- 1895 FALSE PULMONARY ARTERY CATHETER MEASUREMENTS DUE TO THE SCIMITAR (HYPOGENETIC LUNG) SYNDROME: POTENTIAL FOR IATROGENIC PULMONARY EDEMA  
Stephen M. Pomerantz; Stuart E. Mirvis; Elliot L. Siegel; Howard Belzberg, Baltimore
- 1897 MELIJDOSIS PNEUMONIA AND BLAST INJURY  
Chew Y. Wang; Boon H. Yap; Alex Delikan; Kuala Lumpur, Malaysia
- 1899 SEVERE ISCHEMIC INJURY TO THE PROXIMAL AIRWAY FOLLOWING LUNG TRANSPLANTATION: IMMEDIATE AND LONG-TERM EFFECTS ON BRONCHIAL CARILAGE  
Adnan E. Frost; Cesar A. Keller; Philip T. Cagle, and the Multi-organ Transplant Group, Houston
- 1901 DIAGNOSIS OF PULMONARY VEIN VARIX BY TRANSESOPHAGEAL ECHOCARDIOGRAPHY  
Cynthia Toher; Hollis Krug; Stephen L. Archer, Minneapolis
- 1903 MASSIVE PULMONARY HEMORRHAGE COMPLICATING MITRAL PROSTHETIC VALVE OBSTRUCTION  
Guido Michelson; Charles J. Mullany; Robert W. Viggiano; W. Mark Brunel, Rochester, Minnesota
- 1905 THE USE OF THORACOSCOPY IN THE TREATMENT OF IATROGENIC ESOPHAGEAL PERFORATIONS  
Thomas Kiel; George Ferzi; Joseph T. McGinn, Jr. Staten Island, New York
- 1907 TRANSESOPHAGEAL COLOR FLOW DOPPLER FEATURES OF AORTA TO RIGHT VENTRICLE FISTULA  
Mohsin Alam, Detroit
- 1908 PHOTODYNAMIC THERAPY AS AN ALTERNATIVE TREATMENT FOR SURGERY IN A PATIENT WITH LUNG CANCER UNDERGOING BONE MARROW TRANSPLANTATION  
Thomas G. Sutedja; Bibi Kwa; Harmen van Kamp; Nico van Zandwijk, Leiden, the Netherlands
- 1909 AN UNCOMMON CASE OF BRAINSTEM TUMOR WITH SELECTIVE INVOLVEMENT OF THE RESPIRATORY CENTERS  
Salvatore Valente; Marino De Rosa; Giuseppe Culla; Giuseppe M. Corbo; Giuliano Ciappi, Rome, Italy
- 1910 DEXTROPOSITION OF THE LEFT LOWER LOBE AFTER HEART-LUNG TRANSPLANTATION  
Pierre Alain Gervais; Martine Antoine; Jean Claude Yernool; Jean-Louis Leclerc; Marc Estenne, Brussels, Belgium
- 1912 PRIMARY STERNAL OSTEOMYELITIS PRESENTING AS A PLEURAL-BASED MASS  
William K. Lo; Estelle E. Whimbey; Garrett L. Walsh, Houston
- 1914 HYDROPEUMOMEDIASTINUM AND BILATERAL HYDROPEUMOTHORAX AS DELAYED COMPLICATIONS OF CENTRAL VENOUS CATHETERIZATION  
Michael E. Flatley; Ralph M. Schapira, Milwaukee
- 1916 CHYLOUS PLEURAL EFFUSION ASSOCIATED WITH PRIMARY LYMPHEDEMA AND LYMPHANGIOMA-LIKE MALFORMATIONS  
Paul Bresser; Jan G. Kromhout; Jim A. Reekers; Tewe L. Verhaeg, Amsterdam, the Netherlands
- 1918 CYTOMEGALOVIRUS PNEUMONITIS: AN UNUSUAL CAUSE OF PULMONARY NODULES IN A PATIENT WITH AIDS  
Donald W. Northolt; Richard A. Solitto; Theodore R. Miller; Harry Hollander, San Francisco
- 1920 SAFETY OF THORACENTESIS IN MECHANICALLY VENTILATED PATIENTS  
Jeffrey P. McCartney; James W. Adams, II; Patrick B. Hazard, Memphis, Tennessee
- 1922 VARIATIONS IN THORACIC ISOTHERMISM  
Lian Bi Hu, Chengdu, Peoples Rep of China
- 1922 VARIABILITY IN JET NEBULIZER OUTPUT  
Martin Allen; Stephen Langford, Leeds, England
- 1923 PNEUMOCYSTIS CARINII PNEUMONIA AND METHOTREXATE THERAPY  
Gregory C. Kane; Harold L. Israel; Stephen P. Peters, Philadelphia
- 1923 ROLE OF FIBEROPTIC BRONCHOSCOPY IN DIAGNOSIS OF PULMONARY TUBERCULOSIS IN PATIENTS AT RISK FOR AIDS  
Peter F. Barnes, Los Angeles
- 1924 OVARIAN HYPERSTIMULATION PRESENTING AS ACUTE HYDROTHORAX IN EARLY INTRAUTERINE PREGNANCY  
Tasleem M. Jiva; Robert H. Israel, Rochester, New York
- 1925 RESPONSE OF PULMONARY NODULOSIS TO CEFTRIAXONE IN A PATIENT WITH AIDS  
Jose Ignacio Garcia del Palacio, Bages, Spain; Inmaculada Martin Perez, Toledo, Spain
- 1926 VENTILATORY CRITERIA FOR SYSTEMIC INFLAMMATORY RESPONSE SYNDROME  
Jose J. Elizalde Gonzalez; Jesus Martinez, Mexico, Mexico
- 1926 PNEUMOTHORAX DURING PULMONARY TUBERCULOSIS IN AN HIV-INFECTED PATIENT  
Aymen O. Soubari, East Meadow
- 1927 RECURRENT INTERSTITIAL PNEUMONITIS AND DEXFENFLURAMINE  
Denis Braun; Philippe Trechot; Patrick Netter; Veronique Danloy; Daniel Antoine; Gerard Vallant, Briss, France
- 1928 MYCOPLASMA INFECTION MIMICKING HYPERSENSITIVITY PNEUMONITIS  
Nicholas Buckmaster; Rinaldo Bellomo, Clayton, Australia
- 1928 PULMONARY ARTERY PERFORATION CAUSED BY A FLOW-DIRECTED BALLOON-TIPPED CATHETER  
Shanti K. Neenukonda, Aurora, Colorado; Richard D. Jantz, Denver
- 1929 CHYLOTHORAX: A NEW SURGICAL STRATEGY  
Peter F. Mason; James A. C. Thorpe, Sheffield, England
- 1929 ATRIAL FIBRILLATION COMPLICATING TRANSESOPHAGEAL ECHOCARDIOGRAPHY  
Duane C. Berkompas; Kooroush Sawien, Milwaukee
- 1930 ICE FISHING AS A RISK FACTOR FOR PULMONARY EMBOLI  
Lee A. Baggett, Augusta, Maine
- 1930 EXPECTATION OF AN OCCULT FOREIGN BODY SIX ASYMPTOMATIC YEARS AFTER ASPIRATION  
Mark Pinals; Donald Pinals; John D. Tracy; Robert J. Brandstetter; New Rochelle, New York
- 1931 A HISTORICAL FOOTNOTE TO RESPIRATORY THERAPY  
Alan Gilston, London, England
- 1931 ACTIVATION OF BONE MARROW EOSINOPHILS IN ASTHMA  
Takashi Koshino; Yutaka Morita; Koji Ito; Shinichi Teshima; Yasuyuki Sano, Tokyo, Japan
- 1932 EVALUATION OF LEVELS OF CARCINOEMBRYONIC ANTIGEN AND CANCER ANTIGEN 125 IN A THYMIC CYST  
Chung-Ching Hsu; Wei-Jun Su; Reury-Peng Perng, Taipei, Taiwan ROC



